

GenCore version 5.1.6  
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OM protein - protein search, using SW model

Run on: August 3, 2004, 17:33:24 ; Search time 9.28571 Seconds  
(without alignments)  
55.597 Million cell updates/sec

Title: US-09-993-287-1

Perfect score: 53

Sequence: 1 IHMESSASLR 10

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: Issued Patents A1:  
2: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/6C.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	53	100.0	14	US-09-846-349A-1	Sequence 1, Appl1
2	53	100.0	16	US-09-845-730A-1	Sequence 1, Appl1
3	53	100.0	17	US-09-846-345A-1	Sequence 1, Appl1
4	53	100.0	16	US-09-846-345A-1	Sequence 1, Appl1
5	53	100.0	16	US-09-846-345A-1	Sequence 1, Appl1
6	53	100.0	16	US-09-846-345A-1	Sequence 1, Appl1
7	38	71.7	313	US-09-142-334-22	Sequence 22, Appl1
8	38	71.7	313	US-09-124-758-4	Sequence 4, Appl1
9	38	71.7	313	US-09-709-677-4	Sequence 4, Appl1
10	36	67.9	152	US-09-646-693-2	Sequence 19284, A
11	36	67.9	327	US-09-489-039A-14005	Sequence 14005, A
12	35	66.0	63	US-09-134-000C-4039	Sequence 4039, Ap
13	35	66.0	277	US-09-489-039A-12335	Sequence 13235, Ap
14	35	66.0	325	US-09-124-758-6	Sequence 6, Appl1
15	35	66.0	325	US-09-709-677-6	Sequence 6, Appl1
16	35	66.0	325	US-09-252-991A-28288	Sequence 28288, A
17	34	64.2	126	US-09-107-532A-3813	Sequence 3813, Ap
18	34	64.2	197	US-09-252-991A-31560	Sequence 31560, A
19	34	64.2	275	US-09-328-352-7165	Sequence 7165, Ap
20	34	64.2	281	US-09-328-352-7165	Sequence 7165, Ap
21	34	64.2	485	US-09-489-039A-9890	Sequence 9890, Ap
22	34	64.2	444	US-09-198-452A-1135	Sequence 1135, Ap
23	34	64.2	835	US-09-134-000C-5105	Sequence 5105, Ap
24	34	64.2	2441	US-08-194-468-2	Sequence 2, Appl1
25	34	64.2	2441	US-08-961-739-2	Sequence 2, Appl1
26	34	64.2	2441	US-09-514-247A-8	Sequence 8, Appl1
27	34	64.2	2441	US-09-686-316-2	Sequence 2, Appl1

28	34	64.2	2442	US-09-514-247A-10	Sequence 10, Appl1
29	33	62.3	116	US-09-661-322A-24	Sequence 24, Appl1
30	33	62.3	146	US-09-489-039A-13924	Sequence 13924, A
31	33	62.3	314	US-09-227-357-155	Sequence 155, App
32	33	62.3	406	US-09-328-352-7149	Sequence 7149, Ap
33	33	62.3	719	US-09-134-000C-5427	Sequence 5427, Ap
34	33	62.3	753	US-09-252-991A-17631	Sequence 17631, A
35	33	62.3	1160	US-09-328-352-6826	Sequence 6826, Ap
36	32	60.4	72	US-09-621-976-4155	Sequence 4155, Ap
37	32	60.4	125	US-09-489-039A-8848	Sequence 8848, Ap
38	32	60.4	166	US-09-621-976-3958	Sequence 3958, Ap
39	32	60.4	179	US-09-621-976-5821	Sequence 5821, Ap
40	32	60.4	182	US-09-252-991A-22314	Sequence 22314, A
41	32	60.4	268	US-09-489-039A-8094	Sequence 8094, Ap
42	32	60.4	274	US-09-328-352-5762	Sequence 5762, Ap
43	32	60.4	361	US-09-252-991A-32937	Sequence 32937, A
44	32	60.4	433	US-09-328-352-7646	Sequence 7646, Ap
45	32	60.4	433	US-09-328-352-7646	Sequence 7646, Ap

ALIGNMENTS

RESULT 1  
US-09-846-349A-1  
Sequence 1, Application US/09846349A  
Patent No. 6602855  
GENERAL INFORMATION:  
APPLICANT: Jackowski, George  
APPLICANT: Vrees, Tammy  
APPLICANT: Yantcha, Jason  
APPLICANT: Marshall, John  
APPLICANT: Thatcher, Brad  
TITLE OF INVENTION: Biopolymer Marker Indicative of Disease State Having A Molecu  
FILE REFERENCE: 2132.034  
CURRENT APPLICATION NUMBER: US/09/846.349A  
CURRENT FILING DATE: 2001-04-30  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-846-349A-1

Query Match  
Best Local Similarity 100.0%; Score 53; DB 4; Length 14;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 IHMESSASLR 10  
DB 5 IHMESSASLR 14

RESULT 2  
US-09-845-730A-1  
Sequence 1, Application US/09845730A  
Patent No. 6593298  
GENERAL INFORMATION:  
APPLICANT: Jackowski, George  
TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECUL  
FILE REFERENCE: 2132.042  
CURRENT APPLICATION NUMBER: US/09/845.730A  
CURRENT FILING DATE: 2001-04-30  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 16  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-845-730A-1

*Compiling  
would save*

*12/24/04*

Query Match 100.0%; Score 53; DB 4; Length 16;  
Best Local Similarity 100.0%; Pred. No. 0.0021;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IHWSASLRL 10  
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DB 7 IHWSASLRL 16

RESULT 3  
US-09-846-345A-1  
Sequence 1, Application US/09846345A

Patent No. 6617308  
GENERAL INFORMATION:  
APPLICANT: Jackowski, George  
TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECULAR  
FILE REFERENCES: 2132.045  
CURRENT APPLICATION NUMBER: US/09/846,345A  
CURRENT FILING DATE: 2001-04-30  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 17  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-846-345A-1

Query Match 100.0%; Score 53; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 0.0023;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IHWSASLRL 10  
|||||  
DB 8 IHWSASLRL 17

RESULT 4  
US-08-793-126-1  
Sequence 1, Application US/08793126

Patent No. 5849287  
GENERAL INFORMATION:  
APPLICANT: Harrison, Richard Alexander  
APPLICANT: Faries, Charles Timothy  
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSER: HALS AND DORR LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: United States of America  
ZIP: 02109

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/793,126  
FILING DATE: 07-FEB-1997  
CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:  
NAME: Baker, Hollie L.  
REGISTRATION NUMBER: 31,321  
REFERENCE/DOCKET NUMBER: 102286.377  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1663 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-793-126-1

Query Match 100.0%; Score 53; DB 2; Length 1663;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IHWSASLRL 10  
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DB 1311 IHWSASLRL 1320

RESULT 5  
US-09-132-271-1  
Sequence 1, Application US/09132271

Patent No. 6221657  
GENERAL INFORMATION:  
APPLICANT: Harrison, Richard Alexander  
APPLICANT: Faries, Charles Timothy  
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSER: HALS AND DORR LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: United States of America  
ZIP: 02109

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/132,271  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/793,126  
FILING DATE: 07-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Baker, Hollie L.  
REGISTRATION NUMBER: 31,321  
REFERENCE/DOCKET NUMBER: 102286.377  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1663 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-132-271-1

Query Match 100.0%; Score 53; DB 3; Length 1663;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IHWSASLRL 10  
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DB 1311 IHWSASLRL 1320

RESULT 6  
US-09-142-334-22  
Sequence 22, Application US/09142334  
Patent No. 6268485  
GENERAL INFORMATION:

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 3, 2004, 17:33:24 ; Search time 18.5714 Seconds  
(without alignments)  
55.597 Million cell updates/sec

Title: US-09-993-287-2

Perfect score: 97

Sequence: 1 ILQSTPVAQWTEADVAER 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
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2: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep:\*  
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4: /cgn2\_6/ptodata/2/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/6C\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/6D\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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3	97	100.0	1663	3	US-09-143-334-22
4	56	57.7	1642	1	US-08-447-411-45
5	56	57.7	1642	2	US-08-662-227-2
6	56	57.7	1642	2	US-09-017-947-2
7	56	57.7	1642	2	US-09-925-442-2
8	56	57.7	1642	2	US-08-662-227-35
9	56	57.7	1648	4	US-09-017-947-35
10	56	57.7	1648	4	US-09-925-442-35
11	51	52.6	1333	1	US-08-447-411-76
12	51	52.6	1333	2	US-08-662-227-34
13	51	52.6	1333	4	US-09-017-947-34
14	51	52.6	1333	4	US-09-925-442-34
15	46	47.4	204	4	US-09-252-991A-18665
16	44	45.4	291	4	US-09-252-991A-25324
17	44	45.4	1651	1	US-08-447-411-2
18	43	44.3	158	2	US-08-403-852D-29
19	43	44.3	158	3	US-08-510-646B-30
20	43	44.3	158	3	US-09-231-818-29
21	43	44.3	158	4	US-09-635-359B-29
22	43	44.3	411	4	US-09-328-352-7452
23	43	44.3	449	4	US-09-252-991A-28283
24	43	44.3	562	4	US-09-489-039A-12840
25	43	44.3	1053	4	US-09-252-991A-24665
26	42.5	43.8	735	4	US-09-252-991A-30246
27	42	43.3	293	4	US-09-252-991A-18998

## ALIGNMENTS

28	42	43.3	748	4	US-09-252-991A-21696	Sequence 21696, A
29	40	41.2	210	4	US-09-252-991A-31512	Sequence 31512, A
30	40	41.2	303	4	US-09-489-039A-9789	Sequence 9789, Ap
31	40	41.2	412	4	US-09-634-238-422	Sequence 422, App
32	40	41.2	430	4	US-09-252-991A-18226	Sequence 18226, A
33	40	41.2	546	4	US-09-266-965-134	Sequence 134, App
34	40	41.2	585	4	US-09-107-532A-4366	Sequence 4366, Ap
35	39.5	40.7	536	4	US-09-930-218-2	Sequence 2, Appl
36	39.5	40.7	887	4	US-09-252-991A-16679	Sequence 16679, A
37	39	40.2	14	3	US-09-142-334-21	Sequence 21, Appl
38	39	40.2	305	4	US-09-252-991A-25874	Sequence 25874, A
39	39	40.2	391	4	US-09-134-001C-3952	Sequence 3952, Ap
40	39	40.2	505	4	US-09-252-991A-18964	Sequence 18964, A
41	39	40.2	521	4	US-09-252-991A-30835	Sequence 30835, A
42	39	40.2	601	1	US-08-333-358-14	Sequence 14, Appl
43	39	40.2	601	1	US-08-463-694-14	Sequence 14, Appl
44	39	40.2	601	1	US-08-694-501-14	Sequence 14, Appl
45	39	40.2	620	2	US-08-419-652-7	Sequence 7, Appl

RESULT 1  
US-08-793-126-1  
Sequence 1, Application US/08793126  
Patent No. 5849297  
GENERAL INFORMATION:  
APPLICANT: Harrilson, Richard Alexander  
APPLICANT: Fartles, Charles Timothy  
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESSES:  
ADDRESS: HALE AND DORR LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: United States of America  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/793,126  
FILING DATE: 07-FEB-1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Baker, Hollie L.  
REGISTRATION NUMBER: 31,321  
REFERENCE/DOCKET NUMBER: 102286.377  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1663 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-793-126-1  
Query Match 100.0%; Score 97; DB 2; Length 1663;  
Best Local Similarity 100.0%; Pred. No. 1.3e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
DB 980 ILQSTPVAQWTEADVAER 999

## RESULT 2

US-09-132-271-1

Sequence 1, Application US/09132271

Patent No. 6221657

GENERAL INFORMATION:

APPLICANT: Harrison, Richard Alexander

APPLICANT: Parities, Charles Timothy

TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: HALE AND DORR LLP

STREET: 60 State Street

CITY: Boston

STATE: MA

COUNTRY: United States of America

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/132,271

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/793,126

FILING DATE: 07-FEB-1997

ATTORNEY/AGENT INFORMATION:

NAME: Baker, Hollie L.

REGISTRATION NUMBER: 31,321

REFERENCE/DOCKET NUMBER: 102286,377

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 526-6000

TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1663 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-132-271-1

Query Match 100.0%; Score 97; DB 3; Length 1663;

Best Local Similarity 100.0%; Pred. No. 1.3e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILLOSTPVAQMTEDAVDAER 20

DB 980 ILLOSTPVAQMTEDAVDAER 999

## RESULT 3

US-09-142-334-22

Sequence 22, Application US/09142334

Patent No. 6268485

GENERAL INFORMATION:

APPLICANT: Parities, Timothy C.

APPLICANT: Harrison, Richard A.

TITLE OF INVENTION: Down-Regulation Resistant C3 Convertase

FILE REFERENCE: 4-30443/A/IMU/PCF

CURRENT APPLICATION NUMBER: US/09/142,334

EARLIER FILING DATE: 1999-04-15

EARLIER APPLICATION NUMBER: PCT/GB97/00603

NUMBER OF SEQ ID NOS: 35

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 22

LENGTH: 1663

TYPE: PRT

ORGANISM: Homo sapiens

US-09-142-334-22

Query Match 100.0%; Score 97; DB 3; Length 1663;

Best Local Similarity 100.0%; Pred. No. 1.3e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILLOSTPVAQMTEDAVDAER 20

DB 980 ILLOSTPVAQMTEDAVDAER 999

## RESULT 4

US-08-447-411-45

Sequence 45, Application US/08447411

Patent No. 5773243

GENERAL INFORMATION:

APPLICANT: FRITZINGER, DAVID C.

APPLICANT: BREDEHORST, REINHARD

TITLE OF INVENTION: DNA ENCODING COBRA C3, CVP1, AND CVP2

NUMBER OF SEQUENCES: 81

CORRESPONDENCE ADDRESS:

ADDRESSEE: ORION, SPIVAK, MCCLELLAND, MAIER &amp; NEUSTADT,

STREET: 1755 S. Jefferson Davis Highway, Suite 400

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/447,411

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/043,747

FILING DATE: 07-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Oblon, No. 5773243man F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 1126-101-0

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220

TELEX: 248855 OPAT UR

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 1642 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-447-411-45

Query Match 57.7%; Score 56; DB 1; Length 1642;

Best Local Similarity 45.0%; Pred. No. 0.34;

Matches 9; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY 1 ILLOSTPVAQMTEDAVDAER 20

DB 963 ILLOSTPVAQMTEDAVDAER 982

## RESULT 5

US-08-662-227-2

Sequence 2, Application US/08662227

Patent No. 5922320

GENERAL INFORMATION:

APPLICANT: VOGEL, CARL-WILHELM

APPLICANT: BREDEHORST, REINHARD

APPLICANT: KOCK, MICHAEL

US-08-662-227-2